

AMENDMENTS TO THE CLAIMS

1. (currently amended): An image recognition device ~~for preventing counterfeiting of prohibited copying documents such as banknotes and valuable securities and the like,~~ comprising:

a fluctuation producing portion which produces fluctuation information for changing recognition results in order to avoid mis-recognition ~~which is caused by~~ mistakenly recognizing an object that is not a detection object as being a detection object; and

an image recognition portion which carries out an image recognition process on supplied image data by taking into account the fluctuation information produced by said fluctuation producing portion.

2. (currently amended): An image recognition device, comprising:

a fluctuation producing portion which produces fluctuation information for changing recognition results in order to avoid mis-recognition caused by mistakenly recognizing an object that is not a detection object as being a detection object;

a fluctuation superimposing portion which superimposes the fluctuation information produced by [[a]] said fluctuation producing portion onto supplied image data;

an image recognition portion which carries out an image recognition process on the superimposed image data having fluctuation information superimposed thereon created by said fluctuation superimposing portion; and

an output portion which outputs recognition results of said image recognition portion.

3. (currently amended): An image recognition device, comprising:

a fluctuation producing portion which produces fluctuation information for changing recognition results in order to avoid mis-recognition caused by mistakenly recognizing an object that is not a detection object as being a detection object;

a recognition dictionary for carrying out an image recognition process on supplied image data;

a fluctuation superimposing portion which superimposes the fluctuation information produced by [[a]] said fluctuation producing portion onto said recognition dictionary;

an image recognition portion which carries out an image recognition process on said supplied image data based on the fluctuation recognition dictionary produced by the fluctuation superimposing portion; and

an output portion which outputs recognition results of said image recognition portion.

4. (currently amended): An image forming device equipped with a device main body which carries out a prescribed image conversion process on supplied image data information, and carries out a prescribed printing process, wherein said image forming device comprising:

an the image recognition device of any one of said Claim 1 – Claim 3 is provided, comprising a fluctuation producing portion which produces fluctuation

information for changing recognition results in order to avoid mis-recognition caused by mistakenly recognizing an object that is not a detection object as being a detection object and an image recognition portion which carries out an image recognition process on supplied image data by taking into account the fluctuation information produced by said fluctuation producing portion,

wherein and image data inputted into the image forming device is inputted into said device main body and said image recognition device; and

the suitability of a normal output of said device main body is judged based on recognition results of said image recognition device.

5. (original): A recording medium which can be read by a computer and which stores a program that enables the computer to execute:

a fluctuation producing process which produces fluctuation information for changing recognition results;

a process which acquires image data of a recognition object;

a process which reads out a recognition dictionary for carrying out an image recognition process; and

an image recognition process which is carried out on the acquired image data by taking into account said read out recognition dictionary and said produced fluctuation information.

6. (new): An image forming device equipped with a device main body which carries out a prescribed image conversion process on supplied image data

information, and carries out a prescribed printing process, said image forming device comprising:

an image recognition device comprising a fluctuation producing portion which produces fluctuation information for changing recognition results in order to avoid mis-recognition caused by mistakenly recognizing an object that is not a detection object as being a detection object, a fluctuation superimposing portion which superimposes the fluctuation information produced by said fluctuation producing portion onto supplied image data, an image recognition portion which carries out an image recognition process on the superimposed image data having fluctuation information superimposed thereon created by said fluctuation superimposing portion; and an output portion which outputs recognition results of said image recognition portion,

wherein image data inputted into the image forming device is inputted into said device main body and said image recognition device; and

the suitability of a normal output of said device main body is judged based on recognition results of said image recognition device.

7. (new): An image forming device equipped with a device main body which carries out a prescribed image conversion process on supplied image data information, and carries out a prescribed printing process, said image forming device comprising:

an image recognition device comprising a fluctuation producing portion which produces fluctuation information for changing recognition results in order to avoid mis-recognition caused by mistakenly recognizing an object that is not a detection object as being a detection object, a recognition dictionary for carrying out an

image recognition process on supplied image data, a fluctuation superimposing portion which superimposes the fluctuation information produced by fluctuation producing portion onto said recognition dictionary, an image recognition portion which carries out an image recognition process on said supplied image data based on the fluctuation recognition dictionary produced by the fluctuation superimposing portion, and an output portion which outputs recognition results of said image recognition portion,

wherein image data inputted into the image forming device is inputted into said device main body and said image recognition device; and

the suitability of a normal output of said device main body is judged based on recognition results of said image recognition device.